

1fw



Douglas D. De Masi Sr.  
1214 Beekman road  
Hopewell Jct. New York 12533  
845 227 5387, Fax 227 7312

Mail Stop Missing Parts  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Date October 18, 2006

Derek L. Woods  
Attorney  
Office of Petitions

Subject Matter  
Patent Application  
#10/773/872

Certified Mail Only  
# 7005 0390 0005 4112 6690

Dear Mr. Woods,

There appears to be confusion on both sides of my patent application, I have always been in contact with your office on this matter, and I have cancelled checks to prove my payments that your office required me to pay, I blame my self for the confusion, simply Because I made the mistake in mailing two separate patent applications in one envelope, and who ever examined them, some how mix up the paper work, and I apologized for creating this problem.

Enclosed are copies of what I have mailed to the patent office, most recently, in hopes of clearing up this problem. If there is any this else that I can do, in trying to straighten out this problem, please let me know as soon as possible.

Thank you

  
Doug

Copies of letters that are enclosed

Patent Applications, Between Mr. Gary Romes and Guarden Building Products, and my self, Mailed certified on March 17, 2006, to your office and his.

Petition to withdraw holding on abandonment under 37 CFR 1.181 (A) Mailed certified On May 18, 2006, to your office.

Two patent applications mix together, a letter clearly explaining the mix up, along with clear copies of the two patent applications that are involved in this mix up Mailed certified on September 19, 2006 to your office.



**UNITED STATES  
POSTAL SERVICE**

\*\*\*\*\* WELCOME TO \*\*\*\*\*  
HOPEWELL JUNCTION MPO  
HOPEWELL JUNCTION, NY 12533-9998  
03/17/06 04:56PM

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Wkstn sys5002 Cashier JZMCPO  
Cashier's Name Virginia  
Stock Unit Id SIAVIRGINIA  
PO Phone Number 800-275-8777  
USPS # 3590960207

1. First Class	4.64
Destination:	48326
Weight:	0.70 oz.
Postage Type:	PVI
Total Cost:	4.64
Base Rate:	0.39
SERVICES	
Certified Mail	2.40
70051820000432552211	
Rtn Recpt (Green Card)	1.85

Subtotal	4.64
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Change Due	
Cash	0.36

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Postage	\$ 0.39	
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Total Postage & Fees	\$ 4.64	03/17/06

Sent To  
1/12/michael m. metz Corp Lawyer  
Street, Apt. No. Grand Rapids, MI 49503  
or PO Box No. 10000  
City, State, ZIP+4  
200 Harmon Rd., DeBary, FL 32721-1000  
PS Form 3800, June 2002

See Reverse for Instructions

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1. Article Addressed to:

MR. Michael M. Metz  
Corporation Counsel  
Canadian Industries Corp.  
World Head Quarters  
200 Harmon Rd.  
DeBary Hills, FL  
48326-1714

2. Article Number

(Transfer from service label)

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature

X *E. Betterly*  Agent  
 Address

B. Received by (Printed Name)

*E. Betterly*  C. Date of Deliv  
3-20-07

D. Is delivery address different from item 1?  Yes  
If YES, enter delivery address below:  No

3. Service Type

- |  |   |
|--|---|
| <input checked="" type="checkbox"/> Certified Mail | <input type="checkbox"/> Express Mail                   |
| <input type="checkbox"/> Registered                | <input type="checkbox"/> Return Receipt for Merchandise |
| <input type="checkbox"/> Insured Mail              | <input type="checkbox"/> C.O.D.                         |

4. Restricted Delivery? (Extra Fee)  Yes



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Store USPS Trans 128  
 Wkstn sys5002 Cashier JZMCP0  
 Cashier's Name Virginia  
 Stock Unit Id SIAVIRGINIA  
 PO Phone Number 800-275-8777  
 USPS # 3590960207

1. First Class	4.64
Destination:	22313
Weight:	0.50 oz.
Postage Type:	PVI
Total Cost:	4.64
Base Rate:	0.39
SERVICES	
Certified Mail	2.40
70051820000432552198	
Rtn Recpt (Green Card)	1.85
 Subtotal	4.64
Total	4.64

Cash	10.00
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#### 1. Article Addressed to:

Commissioner for Patents  
 P. O. Box 1450  
 Alexandria V. A.  
 22313-1450

#### COMPLETE THIS SECTION ON DELIVERY

##### A. Signature

X

Agent  
 Addressee

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D. Is delivery address different from item 1?  Yes  
 If YES, enter delivery address below:  No

##### 3. Service Type

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 Registered       Return Receipt for Merchandise  
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##### 4. Restricted Delivery? (Extra Fee) Yes

#### 2. Article Number

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ALL AMERICA MAIL

2005 1820 0004 3255 2198

Postage	\$ 0.39	UNIT ID: 0207
Certified Fee	2.40	Postmark Here
Return Receipt Fee (Endorsement Required)	1.85	Clerk: JZMCP0
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 4.64	03/17/06

Sent To *Commissioner for Patents*

Street, Apt. No.:

or PO Box No. *P. O. Box 1450*

City, State, ZIP+4 *Alexandria, VA 22313-1450*

PS Form 3800, June 2002

See Reverse for Instructions

RECEIVED  
 MAR 23 2006  
 USPTO MAIL CENTER



Douglas D. De Masi Sr.  
1214 Beekman Road  
Hopewell Jct. N.Y. 12533  
845,227,5387, Fax 227,7312

March 17, 2006

VIA FAX-1-864-329-8768

Mr. Michael M. Metz  
Corporate Counsel  
Guardian Industries Corporation  
World Headquarters  
2300 Harmon Road  
Auburn Hills, M.I. 48326-1714  
248-340-2137  
Fax,864-329-8768

Subject Matters  
Confidentiality Agreement  
Patent Applications  
Mr. Romes #2005,027,9050  
Filed date, June, 22,2004  
Mr. De Masi Sr. #2005,027,6959  
Filed date, June 10,2004

Dear Mr. Metz.

I'm responding to your letter dated March 10, 2006. There's is absolutely no doubt at all, Mr. Metz, you are a rare breed of an attorney, you have commen sense, and a gentlemen, you would get alone with father, you recognized that there's a problem and you try to solve it as two gentlemen would do, right from the start, an I appreciate that very much.

I don't agree with you and Mr. Romes, or your patent attorney but I will mail at my expense my patent application # and your patent application # and let the patent office make the call.

And as far as the confidentiality agreement between Guarding Building Products and Mr. Romes, I would feel more comfortable if I had a letter from you clearly stating, that any and all material that I mailed to Mr. Faulkner and Mr. Romes, including Guarding Building Products and any and all of there parent companies or partner ships with any and all companies that your not sharing information with, but not limit to ,that they have not received, nor are they using any of my work or information, on any of my products.

The last information that I mailed to Guarding Building, Mr.Romes and Mr. Faulkner was , a new and improved roofing shingle and the electric magnetic nail remover tool, please understand Mr. Metz, I'm working very hard at the job site, and making my own prototypes as well as trying to make sure they are more beautiful and easer to use at the builders show, and I'm going to make sure mine really stand out from everyone else's new products, and it's just commen sense that what ever I can do, you can do it a lot faster, I just don't want to see your company or one of your partner companies show what I'm showing.

Please find a copy of my letter dated March 17, 2006 to the U.S. Patent office clearly ask them for a decision on the two patent applications.

Sincerely yours

*Douglas D. De Masi Sr.*  
Doug



Patty and Douglas D. De Masi Sr.  
1214 Beekman road  
Hopewell Jct. N.Y. 12533  
845,227,5387, Fax 227,7312

PAGE (1)

March 17, 2006

Commissioner for Patents  
P.O. Box 1450  
Alexandria, V.A. 22313-1450

SUBJECT MATTER  
Patent Applications, Between  
Mr. Gary Romes ,and Guarden  
Building Products.  
Filed Date, June 22,2004  
File # 2005,027,9050  
AND  
Mr. Douglas D. De Masi Sr.  
Filed Date, June 10,2004  
File # 2005,027,6959

To whom it may concern,

There seems to be a problem between Mr. Romes along with Guarding Building Products and my self. I mailed by, UNITED STATES POSTAL SERVICE CERTIFIED MAIL ONLY and I have his signed recites, my information to Mr. Romes and Guarding Building Products a few years back, and just recently whiling I was surfing the web sites, I found the patent application filed by Mr. Romes and right away I saw on the front page, the flexible staple extra tab sides for the extra staple surface when needed,( my idea not his )So I started to read more of Mr. Romes patent application and to my surprise, all most the entire patent application I found to be so much of my own work that I sent to Mr. Rome, my ideas not his.

I'm very up set for the simple reason, that Mr. Romes called me many months after I first mailed all the information to him and he then told me that he nor Guardian Building Products were not interested in any and all of my inventions ,or ideas.

Now please understand, I first mailed all my work to your office, before his office by the UNITED STATES POSTAL SERVICE CERTIFIED MAIL ONLY and you received it with out any problems at all. I have all the recites that clearly proves this.

I feel that Mr. Romes copied most of my work, changing a few thing around a little and then he tried to pass it on as his own work, then he tried to have his work filed be fore my own, and he failed, there's only a (ten day difference in filing dates) And my invention and all of my work filed before Mr. Romes, (ten days before his) all any one would have to do, Is to look at the paper trail, phone numbers times and dates as well the UNITED STATES

PAGE(2)

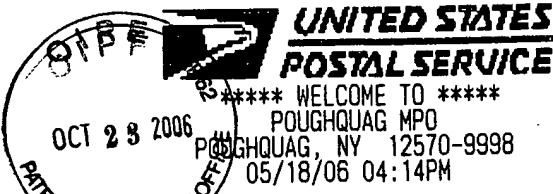
POSTAL MAILING SERVECES DATES and the information on Mr. Romes Patent Application and my own, its very clear to my wife and I as well as others what he almost got away with, is copying my work, my invention and my ideas.

My wife and I feel that what every you decide its ok with us, thank you very much for your time, effort and knowledge.

Sincerely yours

*Patty and Doug De Masi Sr.*

Patty and Doug De Masi Sr.



USPS  
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Cashier's Name  
Stock Unit Id  
PO Phone Number  
USPS #

Trans 57  
Cashier KD353Z  
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600-275-8777  
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1. First Class	5.36
Destination:	22313
Weight:	3.50 oz.
Postage Type:	PVI
Total Cost:	5.36
Base Rate:	1.11
SERVICES	
Certified Mail	2.40
70050390000541126843	
Rtn Recpt (Green Card)	1.85
Subtotal	5.36
Total	5.36

VISA 5.36

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VISA  
ACCT. NUMBER CLERK ID  
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AUTH 022093 CREDIT TRANS # 084

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Return Receipt Fee (Endorsement Required)	1.85	
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Total Postage & Fees	\$ 5.36	

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05/18/06

Sent To  
Maj. Ustop Petition - Commissioner for Patents  
Street, Apt. No.:  
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City, State, ZIP+4  
Alexandria, V.A. 22313-1450

PS Form 3800, June 2002  
See Reverse for Instructions

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1. Article Addressed to:

Maj. Ustop Petition  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, V.A.  
22313-1450

2. Article Number  
(Transfer from service label)

PS Form 3811, February 2004

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If YES, enter delivery address below:  No

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4. Restricted Delivery? (Extra Fee)  Yes

7005 0390 0005 4112 6843

Domestic Return Receipt

102595-02-M-1540



OCT 23 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the patent application of  
Douglas D. De Masi Sr.  
S.N. 10/773/872  
Field 02/09/2004  
For "Self adhesive insulation, with  
Extend, pre-folded or elastic fastening  
Tabs, self adhesive net, self adhesive air vents  
Self adhesive paper hangers support strips.

Phone # 1-845-227-5387  
Fax # 1-845-227-7312

MAIL STOP PETITION  
Commissioner for Patents  
P.O. Box 1450  
Alexandria V.A. 22313-1450

Dear Sir,

I spoke with Mr. Bill Korzuch on May 17, 2006, re-guarding his letter dated  
Dated May 15, 2006, a copy of his letter is also enclosed.

Enclosed are exact copy's of my paper work that I mailed to your office on April 19, 2006  
and your office signed for them on April 24, 2006, Pages 1-14 and also clearing showing all  
my mailing to your office was with certified mail only, copy of the mailing recites are  
also enclosed.

As I explained to Mr. Korzuch, I still don't understand your letter dated April 12, 2006.  
If there is any thing that I can do to assist you in solving this problem, please let me know.

Sincerely your

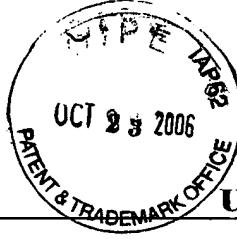
*Douglas D. De Masi Jr.*  
Patty and Doug De Masi Sr.

Date May 18, 2006

Douglas D. De Masi Sr.  
1214 Beekman road  
Hopewell Jct. N.Y. 12533

( SUBJECT MATTER)

PETITION TO WITH DRAW  
HOLDING ON ABANDONMENT  
UNDER 37 CFR 1.181(A)



UNITED STATES PATENT AND TRADEMARK OFFICE

MAY 15 2006

COMMISSIONER FOR PATENTS

Patty and Douglas D. De Masi Sr.  
1214 Beekman Road  
Hopewell Jct., NY 12533

Dear Mr. and Mrs. De Masi:

Thank you for your communication dated March 17, 2006, to the Commissioner for Patents at the United States Patent and Trademark Office (USPTO). Your communication has been forwarded to me for response.

Your letter is concerned with a patent application that you filed, serial number 10/773,872, and a patent application that was filed by a Mr. Romes. You state in your letter that Mr. Romes copied your invention.

A review of our electronic database indicates that your application is currently abandoned. A Notice of Abandonment under 37 CFR 1.53 (f) or (g) was mailed on April 12, 2006 for failure to reply to the Notice to File Missing Parts (Notice) mailed on August 16, 2004.

If a complete reply to the notice was previously filed by you within the time period set forth in the notice, you may request for reconsideration of the holding of abandonment within 2 months from the mailing of the notice of abandonment by filing a petition to withdraw the holding of abandonment under 37 CFR 1.181(a). No petition fee is required. The petition must be accompanied by a true copy of the originally filed reply and the item(s) identified in one of the following:

1. A properly itemized date-stamped postcard receipt (see MPEP § 503);
2. If the originally filed reply included a certificate of mailing or transmission in compliance with 37 CFR 1.8(a), a copy of the certificate of mailing or transmission and a statement in compliance with 37 CFR 1.8(b) (see MPEP § 512); or
3. If the reply was filed via Express Mail, a submission satisfying the requirements of 37 CFR 1.10(e) including, for example, a copy of the Express Mail mailing label showing the "date-in" (see MPEP § 513).

Any petition to withdraw the holding of abandonment should be transmitted by facsimile directly to OIPE Customer Service at (703) 308-7751.

If you did not previously file a complete reply within the time period set forth in the notice, you may file a petition to revive the application under 37 CFR 1.137.

Under 37 CFR 1.137(a), a petition requesting the application be revived on the grounds of UNAVOIDABLE DELAY must be filed promptly after the applicant becomes aware of the abandonment and such petition must be accompanied by:

1. an adequate showing of the cause of unavoidable delay;
2. the required reply to the above-identified notice;
3. the petition fee set forth in 37 CFR 1.17(i); and
4. a terminal disclaimer if required by 37 CFR 1.137(d).

See MPEP § 711.03(c) and Form PTO/SB/61.

Under 37 CFR 1.137(b), a petition requesting the application be revived on the grounds of UNINTENTIONAL DELAY must be filed promptly after applicant becomes aware of the abandonment and such petition must be accompanied by:

1. a statement that the entire delay was unintentional;
2. the required reply to the above-identified notice;
3. the petition fee set forth in 37 CFR 1.17(m); and
4. a terminal disclaimer if required by 37 CFR 1.137(d).

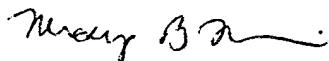
See MPEP § 711.03(c) and Form PTO/SB/64.

Any questions concerning petitions to revive should be directed to the Office of Petitions at (703) 305-9282.

Additionally, the USPTO does not investigate allegations of fraud. If you would like to seek out a registered Patent Attorney, you can find one in your area by going to our website, [www.uspto.gov](http://www.uspto.gov), clicking on **How To ...**, then under **FIND ...**, select **a Patent attorney or agent**, and finally enter your zip code.

I hope this information is useful. If you have any further questions specific to this letter, please contact Bill Korzuch at (571) 272-8800.

Sincerely,



Mindy B. Fleisher  
Chief of Staff  
Office of the Commissioner for Patents

MBF:bk

HOPEWELL JUNCTION MPO  
HOPEWELL JUNCTION, New York  
125339998  
3590960207-0098

09/19/2006 (800)275-8777 12:49:40 PM

Sales Receipt

Product Description	Sale Unit Qty	Final Price
ALEXANDRIA VA 22313		\$1.59
First-Class		5.50 oz.
Return Rcpt (Green Card)		\$1.85
Certified Label #:		\$2.40 70041350000044591087
Issue PVI:		\$5.84
Total:		\$5.84

Paid by:  
Cash \$20.00  
Change Due: -\$14.16

Bill#:1000200029261  
Clerk:01

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Postage	\$ 1.59	0207
Certified Fee	\$2.40	01 Postmark Here
Return Receipt Fee (Endorsement Required)	\$1.85	
Restricted Delivery Fee (Endorsement Required)	\$0.00	
Total Postage & Fees	\$ 5.84	09/19/2006

*Mail shop missing parts commiss. for patients*

Street, Apt. No.,  
or PO Box No. P.O. Box 1450

City, State, ZIP+4 Alexandria VA 22313-1450

PS Form 3800, June 2002

See Reverse for Instructions

09-19-06  
11-31 0030 09-19-06  
2 X 11-35 0031  
• 1 • 01 @ 1 • 0 • 25 I  
3 • 2 • 02 I • 0 • 01 I II  
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1. Article Addressed to:

*Commissioner for Patients  
P.O. Box 1450  
Alexandria VA  
22313-1450  
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**COMPLETE THIS SECTION ON DELIVERY**

A. Signature

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Agent  
 Address

B. Received by (Printed Name)

C. Date of Deli

D. Is delivery address different from item 1?  Yes  
If YES, enter delivery address below:  No

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3. Service Type	
<input checked="" type="checkbox"/> Certified Mail	<input type="checkbox"/> Express Mail
<input type="checkbox"/> Registered	<input type="checkbox"/> Return Receipt for Merchandise
<input type="checkbox"/> Insured Mail	<input type="checkbox"/> C.O.D.

4: Restricted Delivery? (Extra Fee)  Yes

2. Article Number  
(Transfer from service label)

2004 1350 0000 4459 1087



THE UNITED STATES PATENT AND TRADEMARK OFFICE

Independent application of  
Douglas D. De Masi Sr.  
Published Number 2005-0276959  
File date 06-10-2004  
Published date, 12-15-2005

Commissioner for Patents  
P.O. Box 1450  
Alexandria V.A. 22313-1450  
Attention Mail Stop, Missing Parts

Date September 19, 2006  
Certified Mail Only  
#7004-1350-0000-4459-1087  
Subject Matter  
Two patent applications mix together

Douglas D. De Masi Sr.  
1214 Beekman Road  
Hopewell Junction N.Y. 12533  
845-227-5387, Fax 227-7312

To whom it may concern,

I apologized for this mistake that was made at your office, enclosed is a copy of the two patent application that was mailed down to your office ,and dated March 02, 2004, and apparently a few this got mix up, and the front page of the published application dated,12-15-2005, I blame my self for sending two separate application together and I'm sorry for any extra work or inconvenience that this will cause you in changing and correcting the published application.

Items that are correct

- 1) Abstract is correct.
- 2) Reference numbers are correct.
- 3) Claims are correct.
- 4) File date is correct.

Items that are not correct

- 1) Back ground or field of the invention is not Correct.
- 2) Brief description is not correct.
- 3) Drawing are not correct.

Patent application heading names that are involved.

Correct heading

Pre-folded extended full flanged with many tacks built in the paper or self adhesive double sided end with built in extensions

Incorrect heading

Continuous rolled or flat self adhesive double sided tape flexible air vent baffled

If you have any questions, please feel free to contact me at any time.

Thank you  
  
Douglas D. De Masi Sr.



US 20050276959A1

(19) United States

(12) Patent Application Publication (10) Pub. No.: US 2005/0276959 A1  
DeMasi (43) Pub. Date: Dec. 15, 2005

---

(54) SELF ADHESIVE INSULATION, WITH  
EXTENDED, PREFOLDED OR ELASTIC  
FASING TABS, SELF ADHESIVE NET, SELF  
ADHESIVE AIR VENT, SELF ADHESIVE  
PAPER HANGING SUPPORT STRIPS

(76) Inventor: Douglas D. DeMasi, Hopewell  
Junction, NY (US)

Correspondence Address:

D.D.DeMasi, Sr.  
1216 Beekman Road  
Hopewell Junction, NY 12533 (US)

(21) Appl. No.: 10/773,872

(22) Filed: Jun. 10, 2004

Publication Classification

(51) Int. Cl. 7 ..... D04H 1/00  
(52) U.S. Cl. ..... 428/292.1

(57) ABSTRACT

Installing insulation over the years hasn't really changed that much.

We are all aware of using the spring wire, then nailing on the staple gun. There are now the so called pressure sensitive adhesive lateral flanges.

But I find still installing insulation is still a very hard and slow moving job, even when staples or nails are no longer needed. Claims 35-2 drawing sheet

**D.D.DeMasi, Sr.**  
1216 Beekman Road  
Hopewell Junction, NY 12533  
(845) 227-5387  
(845) 227-7312

March 2, 2004

**DECLARATION, SPECIFICATIONS and PETITION**

I, Douglas D. DeMasi, declare that I am a citizen of the United States of America residing at 1216 Beekman Road, Hopewell Junction, New York 12533. That I have read the foregoing specifications and claims and I verify, believe, I am the original, first and sole inventor of the invention or discovery in the Prefolded extended full flanged with many tacks built-in the paper, or self-adhesive double sided tape end with built-in extensions described and claimed herein. That I do not know and I do not believe that this invention was ever known or used before my invention or discovery thereof, or patented or described in any printed publication in any country before my invention or discovery thereof, or more than one year prior to this application or in public use or on sale in the untied states for more than one year prior to this application. "That this invention or discovery has not been patented in any country foreign to the United States on the application filed by me or assigned more than 123 months before this application." And that no application for patent on this invention or discovery has been filed by me or by my representatives or assigns in any country foreign to the United Sates.

Further, that I acknowledge I have duty to disclose to the Patent and Trademark Office information that I am aware of and this material to the examiner of the application in accordance with, 37 CFR 156 "A".

WHEREFORE, I pray that letters patented be granted to me with the invention or discovery described and claimed in the foregoing specifications and claims, and I hereby subscribe my name to the foregoing specifications and claims, declaration and this petition.

The undersigned petitioner declares further that all statements made herein of his own knowledge are true and that all statements made on this information and belief are believed to be true. And further, that these statements were made within the knowledge that willfully false statements and the like so made are punishable by fine or imprisonment or both under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued hereon.

Inventor's Full Name:

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Date:

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Pre-Folded Extended Full Flanged with many tacks built-in the paper or self-adhesive double  
sided tape end with built-in extensions

### Abstract

Installing insulation over the years hasn't really changed that much.

We are all aware of using the spring wire, then nailing on the staple gun. There are now the so called pressure sensitive adhesive lateral flanges.

But I find still installing insulation is still a very hard and slow moving job, even when staples or nails are no longer needed. Claims 35 – 2 drawing sheet

**Related U.S. Applications Data****Reference Cited United States Patent**

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## Claims

### What is claimed.

- 1) A rolled or batt insulation material with paper facing Fig. 1.
- 2) The batt insulation clearly showing vertical and horizontal elastic pre-folded self-adhesive tape end with built in extensions. Fig. 1-A.
- 3) The horizontal flange marker the start of hanging the insulation faster. Fig. 1-B.
- 4) Even when the insulation bays are uneven, which is very common in renovations one worker can still install easily starting from the top flange Fig. 1-B.
- 5) If the insulation bay is uneven, the worker would start from the top and place the Insulation to one side or the other for a tight fit, then the worker would fill in the other side with insulation to fill in the empty gap. Then the worker would use the elastic extended flap to cover the insulation for a tight fit. Fig.1-C.
- 6) Showing the batt face insulation with pre-measuring marks on, so there is no need for a measuring tape. Fig. 2-A.
- 7) The rolled insulation, Fig. 3 clearly shows pre-measuring marks for every eight feet on the paper face. Fig.3-A.
- 8) Fig. 2 has all four flaps open and against the wall. Fig.2-B.
- 9) The double sided adhesive tape shown with the flaps sealed against the paper face so to be installed in a crawl space with the other side being pushed up against the bottom side of the floor. Fig.4-A.
- 10) The extended flange works well when one would need extra space below or above preexisting plumbing, and wires. Fig. 5-A.
- 11) Reinforced paper prefolded, hanger straps, that have double sided adhesive tape end, which very easily go down and around the unfaced section of the insulation for a secure fit to the floor joist so the insulation won't fall down. Fig. 5-B.
- 12) Fig. 6 – shows indivisible self-adhesive tape end 6-A.
- 13) Fig. 6- the paper insulation holder that is not only extra wide so as to hold the insulation better, but is very strong and permanent. Fig. 6-B.
- 14) The insulation batts can be easily attached by the ends, so there is no open space to allow the loss of clean air ventilation or not to let heat or air conditioning escape, so there is no condensation build up. Fig. 2-B.

- 15) The folded insulation can be cut at any length and rejoined, because of the double adhesive tape end that can be retaped. Fig.3.
- 16) The extra heavy and reinforced paper hanger, can easily be removed from the batt or rolled insulation and reconnected for another application. Fig. 6-B.
- 17) If the worker tears a hole into the face of the insulation, you can easily tear or cut along the perforated lines on the extra wide flange to repair the rip in the face, so there is no energy loss or condensation build-up. Fig 2-C.
- 18) The paper hangers that are extra wide and heavy duty can be easily reversed from one side of the insulation to the other side. Fig 5-B.
- 19) The double sided self adhesive tape is water resistant, so if there is a build up of water condensation, one would not have to worry about the insulation flanges failing.
- 20) When the worker is installing the insulation it can be removed, if not at first properly in place.
- 21) Because of the extra wide, and extra strong flange, you are also able to encapsulated the insulation whether or not the batts are rolled, by simply folding all the corners and attaching them to each other.
- 22) Encapsulated insulation can be easily hung from its own paper hangers.
- 23) When the worker is installing the tack full flange, all he has to do is push in and the many little tacks that are in the full flange automatically stick to any wood surface. Fig. 7-A.
- 24) There is no need for any tools for a complete insulation, because the insulation bats and rolled insulation has measurement marks all ready on the paper face and the extended full flanges. Fig 8-A.
- 25) If the insulation bays are off and a little wider then should be, then all the worker has to do is stuff the one side with some more insulation to fill in the gap. Fig 10-A.
- 26) This type of full flange insulation with tack, will give a full and tight fit. Fig 7-A.
- 27) Unlike the so called Knauf Staple-Free Batt Insulation 8-5-2004- this is very unlikely this product would ever be used in unfinished basements, or crawl spaces, but for the same price, if not less, my invention, the full flange tack insulation can be installed and not have to worry about the batts or rolled insulation falling down. Fig. 11-A.
- 28) Simple engineering and common sense will prove how unreliable the Knauf-Staple Free Insulation is. It will fail. But with my full flange tack insulation being installed,

there is constant horizontal pressure push against many small tacks all ways. Fig 12-A.

- 29) One in the profession would just look and see how much more work can be done in a shorter amount of time and completely safe for the installer that's using good gloves. Fig. 9A.
- 30) The full flange tacks stay within the paper flange until installed, by the installer simply pushing forward, the sides automatically push through the paper and into the wood studs, floor joists, roof rafters or the roof truss. Fig. 13-A.
- 31) There is no need for any other insulation support.
- 32) This full flange tack insulation will not fall down when installing in a vertical wall, because the many tacks digging into the wood always never letting up, but common sense will tell me, simply because of constant gravity, the Knauf Staple-Free batts will fall down, simply because of the known open space between the 12-13 insulation and the open space using a 2x4 wall, with the constant pulling down of gravity. After a while there will be an open space at the top of the wall, and there will be a water condensation problem. Fig 14-A. *12-13*
- 33) The fraction of a cent to install the full flange tack insulation will add dollars of savings for man hours.
- 34) No way to tear the paper face to cause a loss of the vapor barrier, that's so important. Fig.14-A.
- 35) If a mistake is made, all the worker has to do is to slide their gloves in between the stud, joist, rafter or truss and slightly push their hands together, and the insulation will come out, undamaged. Fig. 15-A.

### Background of the Invention

This invention clearly shows how workman friendly it is when installing insulation. There are too many times when one is trying to install insulation and so many obstacles occur. Many new homes are being constructed leaving the framing being done by unskilled workers. If laying out the basic frame is not correct from the very start, that means all the framework will be off, even if it's off by a half inch, the insulation will not adhere properly, leaving the insulation company in very deep trouble on how to install insulation correctly, when the frame is not.

This is why my invention is so much better. The worker can move very quickly and not have to rely on a perfectly framed building nor does he have to be concerned with a measure tape, staple gun, cutting knife or other tools.

Then when you are renovating this invention will be even more of a pleasure to work with because the worker has extra freedom to work with in this product.

### Brief Description of the Drawing

Fig. 1 - Showing the unfaced part of the insulation. The extra wide prefolded flange, and the double stick self adhesive tape ends.

Fig. 2- Shwoing the paper face side of the insulation, with the premeasured marks that are on the paper face, along with the insulation going inward.

Fig. 3 – rolled insulation, showing the premeasured marks going vertical, and horizontal, and every eight feet clearly marked.

Fig. 4 – the flanges are bent down and are of the double sided self adhesive tape end.

Fig. 5 – showing the flanges end up, note that the inside flanges still have the protected cover over the adhesive tape end so only one side of the flange is being used.

Fig. 6 – the extra wide, extra strong paper hanger, with the protected cover on the self-adhesive sides.

Fig. 7 – Fig. 8 shows the full flange and tacks the many tacks coming through the paper Fig. 8-B.

Fig. 7 – with the vertical wall studs and the full flanged tack insulation against the wall studs with constant pressure, never releasing, never losing its grip never falling down because of gravity pulling down all ways.

Fig. 10-A With a gap and filled in insulation to keep the entire wall insulated snug.

Fig. 9 – Good strong gloves, the only tool the worker will need. Fig. 9-A.

Fig. 11 – Horizontal floor joist with the paper face up against the floor bottom, clearly in place forever, because of the constant outward pushing force, always digging in to the wood sides, even with a constant pull down pressure form gravity. Fig. 11-A.

Rolled insulation showing the full flanged tacks through the paper sides. Fig. 12-A.

Fig 13 – Full flanged tack insulation still sealed, and the tacks are not through the paper. Fig. 13-A.

Vertical wall stud, that's being empailed by the many tacks that are through the full paper flanged with the constant pressure on them all the time. Fig. 14-A.

Figure 15 – showing the full flanged insulation being squeezed together so as not to be damaged, and you are able to reuse the full flanged tack insulation again.

Fig 1

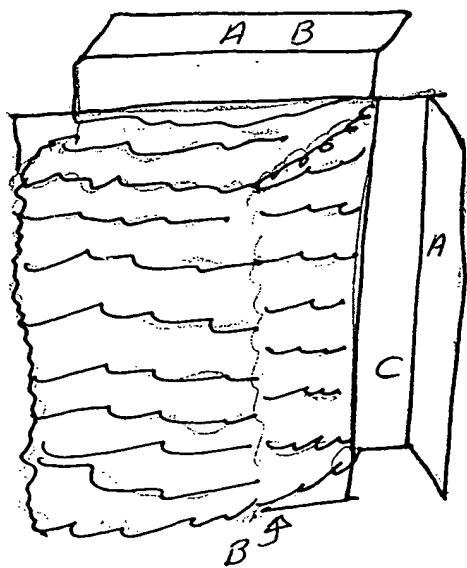


Fig 5

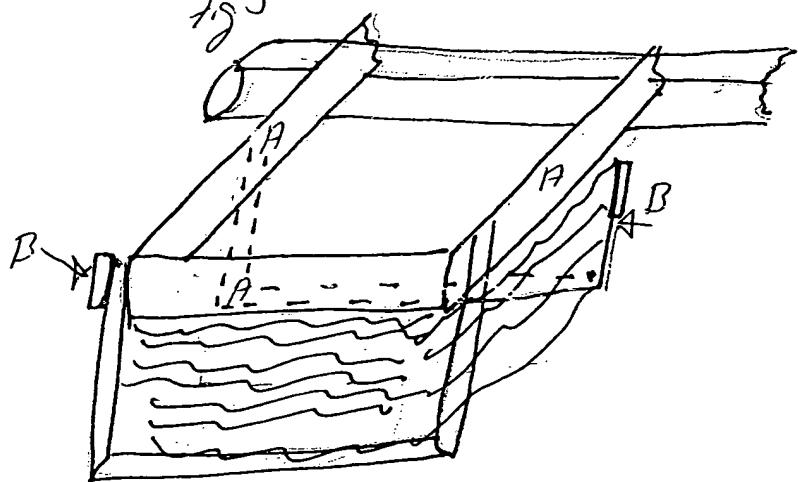


Fig 2

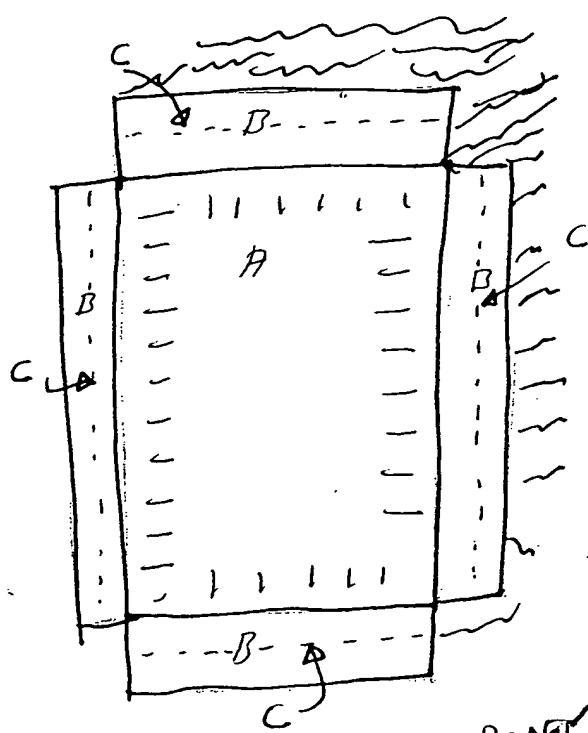


Fig 4

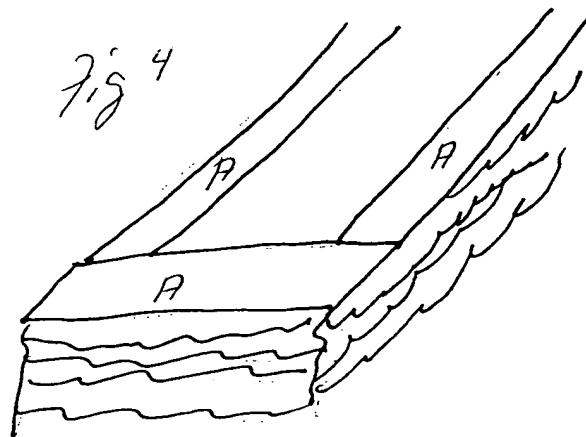


Fig 3

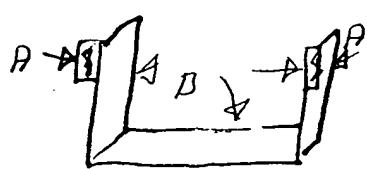
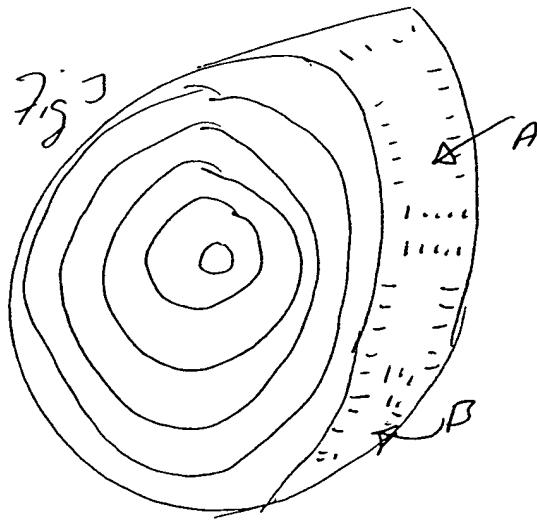
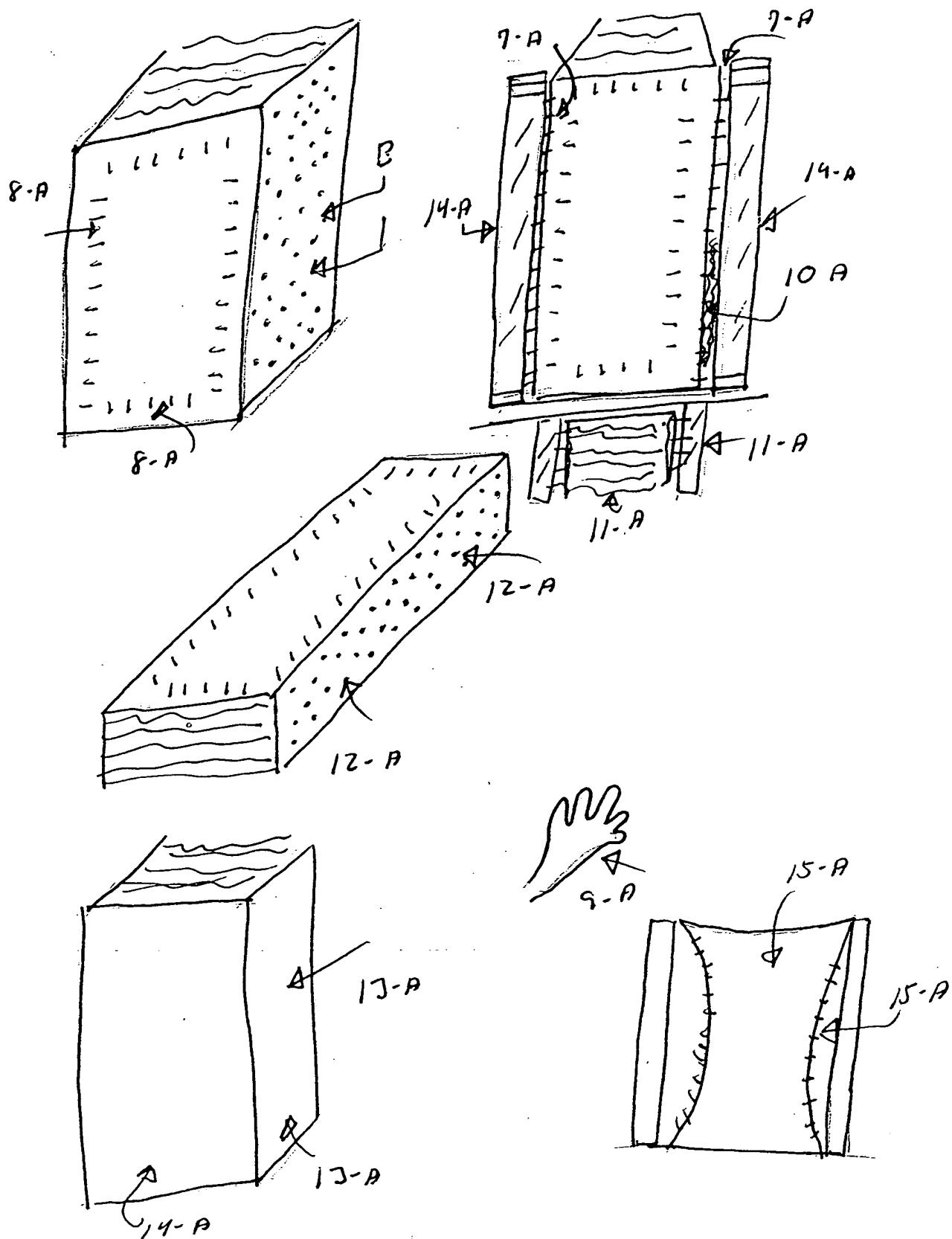


Fig 6



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**Continuous Rolled or Flat Self-Adhesive Double Sided Tape Flexible Air Vent Baffle**

**Related U.S. Applications Data**

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### **Abstract**

The ventilation between the roof flooring and the insulation is extremely important, more so than many homeowners, builders, and contractors understand.

The only function of the air vent is to keep a continuous air flow between the roof flooring and the insulation. Without this, the insulation will start to fail and so will the home structure itself. And once the homeowner sees the problem in their home, the amount of work and expense to correct the problem will be huge.

This invention is not limited only to the roof, but also could very easily be applied to the walls or floor systems.

**Claims 33 4 drawing sheets**

I claim

- 1) The flanges on each side of the rolled or flat section will have self-sealing adhesive tape with a protective seal, and cover, for easy removal before the worker gets ready to install.
- 2) The extra strength and durability will exceed all the other air baffles and make them obsolete.
- 3) Less time for the worker to install the rolled or flat continuous air ventilation.
- 4) Double the air flow because of the greater area that is uninstalled by the large V shape, very minimal supports, that one would see on the past and present air baffles.
- 5) Less likely to be damaged during transportation because of the simple and superior construction design.
- 6) A worker could stand on the rolled or flat section continuous air ventilation and not destroy the product, but one could easily break the other air baffle with one finger, with very little effort.
- 7) Less lost time during the insulation process, because of the construction design and ease to work with.
- 8) Premeasured so there is no need for a ruler during installation of the continuous rolled or flat ventilation section.
- 9) Made from a light plastic, Styrofoam or flexible material just to mention a few.
- 10) Because of the post supporting design, within the continuous air ventilation rolled or flat section, there is not limit on interlocking the section together.
- 11) They can be cut into any special design to fit nice and tight.
- 12) There is no limit to how wide or thin the area needs to be for a proper installation.
- 13) The shape of the building or the many circular, triangular or any other shape or size, can be easily installed and filled before the insulation is installed.
- 14) Able to close the box end of the building, and still maintain the highest continuous air flow at all times.
- 15) Self sealing adhesive tape is on the ends of the post not just on the end flanges.
- 16) In the event the continuous rolled or flat section air baffle flanged ends are cut off, the post ends will hold itself up with no problem.

- 17) This product is not limited to homes, only. But can be used in commercial buildings, boats, ships aircraft.
- 18) The use is only limited by the human mind itself.
- 19) This product is by far the safest air baffle ever, not just by professionals by the average home would consider this product to be user friendly.
- 20) The continuous rolled or flat air baffle can be very flexible and user friendly and not at all like the very rigged air baffle that is being used now.
- 21) This product would not fail during the extreme force of blown insulation.
- 22) The installation of the job goes much easier and faster, because there is no need for any staples, nails, or any other hard to use item, to install between the rafters, or roof truss.
- 23) This design and product will cost a fraction more then the other outdated and inferior air baffles because it is impossible to compare together. There is no comparing.
- 24) All the other air baffles are very limited in their use, and prone to breaking because of the very fragile design and construction. They easily break in the transportation stage, when the work will use a staple gun or a hammer and nail. They simply split or shatter.
- 25) There have been many different manufacturers of the air baffle as one would see in the stores, but they all have the same basic design with the same problem. They are not as reliable as one would think.
- 26) Because of the excellent air flow, your also preventing unwanted fumes and gases, so there is no buildup.
- 27) Excellent ventilation will increase the life of the insulation so the insulation will breath much better and there is less chance for any condensation build-up.
- 28) Because of the excellent ventilation the cold area will stay colder, and this will keep the insulation working and breathing better, so it can do its job by keeping out the cold in the winter time and in the summer time the hot air will not be offered by the interior of the home being cold. All this is keeping the insulation and vapor barrier at its best working condition at all times.
- 29) Because of the many different hold posts there is some movement within and less likely to break if there is any horizontal movement.
- 30) In some cases, insulation will expand beyond the thickness, that's on the package. I know I've seen 12-30 paper face, expand to R-38 or greater and this pressure over time

will damage, as we know it to do. Then the problem will start, with loss of heat, and a great reduction in air flow but my design will not fail under these conditions.

- 31) When installing the continuous rolled or flat air baffle, it can be very easily installed to the vertical side wall of the roof rafter, roof truss, or any other section, that one finds the need to.
- 32) The continuous rolled or flat air baffle is the only universal air baffle that can be used in any construction installation application.
- 33) When installing into an uneven space, your able to break off some of the supporting post ends and connect the two pieces together for a tight even fit that will not fail and attach to the sidewalls of the rafter or truss for an unobstructed continuous air flow.

## Description

### Background of the Invention

#### 1) Field of the Invention

Ever since the start of insulation, whether it be hay, straw, leaves or more modern material, as we know it, today, there has always been the problem of condensation.

It's widely known that water condensation build up will destroy insulation and not stop with destroying the structure within walls, roof, etc.

The only way to prevent this enormous problem is to have excellent air ventilation.

But this easily preventive problem has been overlooked and what's being installed now, is no more than a very small solution to a very big problem.

**Brief  
Description of the Drawing**

**Fig 1 –** The continuous rolled air baffle being unrolled, clearly showing the flexible adhesive taped ends with the protected cover and the many different support posts with the adhesive tape ends, no nails or staples are needed to install to any surface.

**Fig 2 –** Showing the flat continuous air baffle with the many different support posts with the adhesive end and the protected cover no all the ends, there is no need for nails or staples to attach to any surface.

**Fig 3 –** Clearly showing a dome home where the regular air baffle would be impossible to use, simply because of the round roof.

**Fig 4 –** The chalet with very high ceiling, clearly showing how vertical the continuous rolled or flat air baffle is.

**Fig 5 –** The calow home, showing how the roof will taper off, from a large base to a very thin top. And how this invention can be cut to fit any work situation, and still work at the highest peak of perfection.

**Fig 6 –** The round outcove addition would be impossible to install air baffles as we know it today, and them perform as they should which they can't because of the hard round radius. The continuous rolled or flexible flat air baffle would do the job correctly and efficiently.

**Fig 7 –** Showing as standard width between the roof rafters or roof trusses. Showing very clearly how nicely the continuous rolled or flat flexible air baffle is completely secure to the roof flooring by the self sticking adhesive tape on the flanges and by the ending on the support post ends.

**Fig 8 –** Extra wide space or uneven space between the roof rafters or roof truss. What is very clear is how universal this air baffle is. You are able to stick the ends together for a tight seal and attach to the side walls of the rafter or truss and still have unobstructed air flow maintained always.

**Fig 9 –** Showing how easily to remove the protected tape adhesive stripes just before installing the continuous rolled or flat flexible air baffle.

## Detailed Description of the Invention

Fig 1 - Showing the continuous rolled and flexible air baffle.

- 2) the Self-Adhesive Tape Flanged ends.
- 3) The many support post.
- 4) The end of the support posts with self adhesive end with the protected cover on each end.
- 5) Showing the flexible mat that the support ends are attached to.

Fig 2, 1) showing the continuous flexible flat air baffle.

- 2) Showing how easy to attach to the other end of the air baffle for a tight seal so there always and unobstructed continuous air flow
- 3) Showing the self adhesive taped ends
- 4) Showing how easy to fold the end downward
- 5) The flat supporting flexible holding mat
- 6) The supporting post with the self adhesive tape
- 7) The protected adhesive tape

Fig 3 – 1) roof air vent

- 2) Continuous rolled roofing support ends
- 3) Showing just how flexible the continuous rolled air baffle is
- 4) Dome roof insulation being protected by the continuous rolled air baffle supporting mat.
- 5) Sheetrock against the insulation
- 6) Rounded rafters supporting the roof system with unobstructed continuous air flow
- 7) Safety vent

Fig 4)

- 1) chalet roof vent
- 2) showing the continuous flat air baffle
- 3) showing the supporting post ends that are attached to the roof by the self-adhesive tape on each end
- 4) the insulation between the continuous flat, flexible air baffle
- 5) the sheetrock against the insulation
- 6) the chalet roof rafter on roof truss, showing the unobstructed air flow from the soffit vent to the roof vent.
- 7) Soffit vent

Fig 5)

- 1) Roof vent
- 2) Willow house roof rafters
- 3) Clearly showing how early the continuous rolled air baffle works, when installing on a rounded and tapered end roof
- 4) Soffit vent
- 5) The continuous rolled air baffle support post ends
- 6) Even though the roof is tapered. The airflow is unobstructed

Fig 6)

- 1) the outcove addition wall showing the continuous rolled air baffle support ends
- 2) insulation between the continuous rolled air baffle and the studed walls
- 3) the interior wall, against the insulation
- 4) The supporting post ends, making sure for an even and unobstructed air flow

5) Inside wall studs.

Fig 7)

- 1) roof flooring
- 2) the supporting post
- 3) the mat or backing for the continuous rolled or flat air baffle
- 4) the flanged ends that are connected to the continuous rolled or flat flexible backing or mat
- 5) roof rafter or roof truss end
- 6) insulation between the roof rafter, or roof truss
- 7) the self adhesive flanged tape attached to the bottom of the roof flooring.
- 8) The clean and unobstructed air flow section between the supporting post.

Fig 8)

- 1) the roof flooring
- 2) the supporting post ends sticking to the roof flooring
- 3) the continuous rolled or flat flexible backing or mat
- 4) the two separate self adhesive taped ends, taped securely together to form a tight seal so the airflow won't be blocked by the insulation pushing up against it.
- 5) The two separate air baffles are attached to the side of the roof rafter or roof truss
- 6) Insulation in the roof bay
- 7) Roof rafters on roof truss

Fig 9)

- 1) the protected self-adhesive tape tab is being removed just before installing between the roof rafters or roof truss

- 2) exposed self adhesive glue with the protected tape end being pulled off
- 3) the supporting post ends without the protected seal cover on
- 4) the support post
- 5) supporting backing or mat.

Fig 1 Not to scale

